

SEQUENCE LISTING

<110> Lappegard, Kathryn K.
 Abbitt, Shane E.
 Martino-Catt, Susan J.
 Shi, Jinrui
 Gordon-Kamm, William J.
 Lowe, Keith S.

<120> Seed-Preferred Regulatory Elements and
 Uses Thereof

<130> 1189

<160> 20

<170> FastSEQ for Windows Version 3.0

<210> 1
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 <212> DNA
 <213> Zea maize

<220>
 <221> promoter
 <222> (1)...(1247)

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 ttttatgcat ttaaacaccc ttogaacat cagcagtggt tgatagggtt aactgatact
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 aatatcttgt cttaataact agcaccaact gataataatc tttcgaacac atgttattat
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 aaggtgatgt ttgaatgcac tagagctaat agtttagtagc taaaatttag tggagacatt
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 tataagctag ctttttttac tagcaatttt tttagccaact aacaattagt tttagtgtat
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 aacattttca taggtgtact gttaaagtca ccgtcagtgta taataatatt ttcacatgog
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cggagagacac gtgttggctg accggacagt tggccgatca gacagtggac agaccggaca
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1140
tgtagctttt tgcagagcgt cgtctgtaaa tacgtagccc ttcacaaagc gaggcaaggg
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1247

<210> 2
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<221> primer_bind
<222> (1)...(26)

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<210> 3
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<221> primer_bind
<222> (1)...(27)

<400> 3
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<210> 4
<211> 752
<212> DNA
<213> Zea mays

<220>
<221> promoter
<222> (1)...(752)

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420

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 aatcgcatct accgcggcta gaagctctct ctctctccct cggatcgggt ggggtccatt
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 <213> Artificial Sequence

<220>
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 <222> (1)...(26)

<400> 5
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<210> 6
 <211> 26
 <212> DNA
 <213> Artificial Sequence

<220>
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 <222> (1)...(26)

<400> 6
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<210> 7
 <211> 1433
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 <213> Zea mays

<220>
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 <222> (1)...(1433)

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 300
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09710754-112200

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 1200 tgggtgcgcg catcatgtgt catgccatcg tccgtccctt ggctgtgcctc ggtagacggg
 1260 agctagagta gtagcctgtg cttgctaccc ctggccaaca catcgtagcc tcctatattt
 1320 aacgtatcct cacacatcac aagaacgaca cacagaaacc agtagccact actccatcca
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 1433

<210> 8
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 <212> DNA
 <213> Artificial Sequence

<220>
 <221> primer_bind
 <222> (1)...(29)

<400> 8
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 29

<210> 9
 <211> 49
 <212> DNA
 <213> Artificial Sequence

<220>
 <221> primer_bind
 <222> (1)...(49)

<400> 9
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 49

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<210> 10
<211> 695
<212> DNA
<213> Zea mays

<220>
<221> terminator
<222> (1)...(695)

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420
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480
tgtcttttaa gcccttcgtc gttctagctg ctggcctgct gctatagcct gtaggtgagg
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cgaggcgccc gcgacaagtg ccggcgatcc cgcag
695

<210> 11
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<212> DNA
<213> Artificial Sequence

<220>
<221> primer_bind
<222> (1)...(45)

<400> 11
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<210> 12
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<221> primer_bind
<222> (1)...(36)

<400> 12
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<222> (1)...(29)

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<212> DNA
<213> Artificial Sequence

<220>
<221> primer_bind
<222> (1)...(26)

<400> 14
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<210> 15
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<220>
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<222> (1)...(28)

<400> 15
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<210> 16
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<212> DNA
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<220>
<221> primer_bind
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<400> 16
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<220>
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<400> 17

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<222> (1)...(49)

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<220>
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<222> (1)...(45)

<400> 19
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45

<210> 20
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<221> primer_bind
<222> (1)...(36)

<400> 20
gggccccgtg cggcaacaaa aatagacctg acctca
36

SEQUENCE LISTING

<110> Lappegard, Kathryn K.
Abbitt, Shane E.
Martino-Catt, Susan J.
Shi, Jinrui
Gordon-Kamm, William J.
Lowe, Keith S.

<120> Seed-Preferred Regulatory Elements and
Uses Thereof

<130> 1189

<160> 20

<170> FastSEQ for Windows Version 3.0

<210> 1

<211> 1247

<212> DNA

<213> Zea maize

<220>

<221> promoter

<222> (1)...(1247)

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120
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180
aatatcttgt ctttaatact agcaccaact gataataatc ttogaacac atgttattat
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ctattgttga ctttaataca tactaaatcc aagatattag tagagatggt agtatagatt
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360
caaacacccct atcaattatt agttattttt agtaaatagg ttaatagtta gttagtctat
420
tataagctag ctttttttac tagcaatttt tttagccaact aacaattagt tttagtgtat
480
tcaaatatccc ctaagccggt aagtgtatgct ctttctagaa tcttaaccgt atgtggagac
540
aacattttca taggtgtact gtttaagtca cgcgcagtga taataatatt ttacatgcg
600
gtttcttaag caaaccccca gtgctaataa tattttacact agcggggtgc taaagaaaa
660
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720
attcctaacta gccctagct tgcactggcg acataaaaaa cgtcagtga aatagctcta
780
ggatcgctac tatagagctt ctatgtactt agtgggttaga actgatattg tagtgacca
840
agtgccgatt ttaattaaac caatactaaa tactagttaa taatactagt ggtctgaatt
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cgattttctat agtaatgttt gcttgcaagc cgcaaataga gtaaacattc gctgctacag
960

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0710754 143600

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cggaggacac gtgttggtg accggacagt tggccgatca gacagtggac agaccggaca
1080
atagaagaag aagacgacga cggcggcggc accgcccagt aggtgcatgg tcacgctagc
1140
tgtagctttt tgcagagcgt cgtctgtaaa tacgtagccc ttccacaagc gaggaagg
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1247

<210> 2
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<212> DNA
<213> Artificial Sequence

<220>
<221> primer_bind
<222> (1)...(26)

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26

<210> 3
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<221> primer_bind
<222> (1)...(27)

<400> 3
gagcaggggt ctcgccatt gctagtt
27

<210> 4
<211> 752
<212> DNA
<213> Zea mays

<220>
<221> promoter
<222> (1)...(752)

<400> 4
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120
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240
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300
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420

tatgctgcgg tccagcataa gttcgggact tcoggcaatc cgccggcgcc cgtcggctca
 480
 aatcgcatct accgcggcta gaagctctct cttcctcctt cgcattcggg ggggtccatt
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 660
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 752

<210> 5
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 <213> Artificial Sequence

<220>
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 <222> (1)...(26)

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<210> 6
 <211> 26
 <212> DNA
 <213> Artificial Sequence

<220>
 <221> primer_bind
 <222> (1)...(26)

<400> 6
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 26

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 <212> DNA
 <213> Zea mays

<220>
 <221> promoter
 <222> (1)...(1433)

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 tacaagtctt aagtatcaaa tcaccttcta tcggctatac acaactaacg gaagtattct
 180
 ctatgcacac taacttatgt cggtttccgc atggcagatc aaaattagct aacttttgtt
 240
 ggctaataag agcaattcca aaagaacgtg taaactaatc tcaaacaga tattagttaa
 300
 gaatagtaat ttttcttact ccaacagttc cctcagttct cccccaaaaa ttaagcgttc
 360

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ctcaacgcat cagatcatcc accgcctacg acgactgtac agtttgctc acatatcaca
480
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540
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660
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780
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840
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1320
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1433

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<210> 8
<211> 29
<212> DNA
<213> Artificial Sequence

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<220>
<221> primer_bind
<222> (1)...(29)

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<210> 9
<211> 49
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<220>
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<222> (1)...(49)

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49

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<210> 10
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<220>
 <221> terminator
 <222> (1)...(695)

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 120 gtgattctgt ccggccggc tagcaactta gtatctctct tcagtctcta gtttcttagc
 180 agtcgtagaa gtgttcaatg cttgccagtgt gtgtgtttta ggccgggggt aaaccatccg
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 420 acgtacgtac gccggcggta cggcagctac atattcgtcg ttcgagtgtg atgcattggg
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 695

<210> 11
 <211> 45
 <212> DNA
 <213> Artificial Sequence

<220>
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 <222> (1)...(45)

<400> 11
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<210> 12
 <211> 36
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<220>
 <221> primer_bind
 <222> (1)...(36)

<400> 12
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 36

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<400> 13
cctttatcac cgtacaggag aagagagca
29

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<220>
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<222> (1)...(26)

<400> 14
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26

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    <220>
    <221> primer_bind
    <222> (1)...(28)

    <400> 15
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28

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<220>
<221> primer_bind
<222> (1)...(37)

<400> 16
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<400> 17

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<210> 18
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<220>
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<222> (1)...(36)

<400> 20
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